

C 3158 M 3-1(79)-11

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments,
Inventories, and Orders



U.S. Department of Commerce
BUREAU OF THE CENSUS



NOVEMBER 1979

M3-1(79)-11

For Release 4:00 P.M. Wednesday, January 2, 1980

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods increased \$1.3 billion or 0.9 percent in November to \$147.8 billion the Department of Commerce, Bureau of the Census reported today. This increase followed a 0.4 percent decline in October new orders. A 1.9 percent increase in nondurable goods orders more than offset the small decline in orders for durable goods.

Durable goods new orders for November were valued at \$76.3 billion, almost unchanged from the October level. This is a revision of the 1.2 percent decline reported earlier which was based on less complete reporting.

In the transportation equipment category, a significant increase in aircraft new orders of \$1.4 billion or 35 percent to \$5.3 billion was almost completely offset by a sharp decline for the motor vehicle and parts industry of \$1.2 billion or 11.6 percent to \$8.8 billion. For the automotive assembly portion of that industry, new orders are considered to be equal to shipments made during the month. The increase for the aircraft industry followed a 34 percent decline in October.

Excluding transportation, new orders for durable goods increased by \$0.8 billion or 0.6 percent. New orders reported by the steel industry were up \$0.2 billion or 4.0 percent to \$5.9 billion. This rise, and the 0.3 percent increase recorded in October, followed an average decline of 2.4 percent per month during the previous quarter.

New orders for nondefense capital goods increased \$0.3 billion or 1.5 percent to \$21.1 billion. A \$0.6 billion increase in aircraft orders was partially offset by declines in communication equipment and shipbuilding. Defense new orders were up \$1.0 billion or 34 percent to \$4.1 billion following a 29 percent decline in October.

Shipments of manufactured products declined \$0.7 billion or 0.5 percent to \$144.9 billion. This is the first shipments decline reported since a 2.3 percent drop last June. Durable goods shipments were down significantly, dropping \$1.4 billion or 1.8 percent to \$74.1 billion. For the first 6 months of this year shipments have averaged \$73.8 billion per month. Since July, their average value has been \$74.3 billion, an increase of 0.7 percent over the monthly average for the first half of 1979.

Nearly all durable goods industries reported declines, the largest occurring in the motor vehicle industry where shipments were down \$1.0 billion or 9.4 percent to \$9.3 billion. A large

decline in shipments of nonelectrical machinery of \$0.6 billion or 4.5 percent to \$13.2 billion was partially due to declines in the construction equipment and farm machinery industries.

Shipments of both the household durable goods industries and the nondefense capital goods industries declined. Household durable shipments were down \$0.1 billion from October to \$4.9 billion. The decline in shipments of nondefense capital goods of \$0.4 billion or 2.1 percent reflected the nonelectrical machinery declines.

Shipments by the nondurable goods industries increased \$0.7 billion or 1.0 percent to \$70.8 billion. The most significant increases were in petroleum products, up \$0.5 billion or 3.9 percent to \$12.9 billion, and in chemicals, up \$0.2 billion or 1.7 percent to \$13.1 billion.

Manufacturers' backlog of unfilled orders in November increased \$2.9 billion or 1.1 percent to \$275.8 billion. Since the end of 1978, this backlog has increased by an average of 1.4 percent per month. The backlog in the aircraft industries, which was up \$1.7 billion or 2.3 percent in November, has risen from \$56.1 billion at the end of 1978 to \$75.1 billion at the end of November, an average increase of 3.1 percent per month. Without the aircraft orders, manufacturers' backlog have increased 0.9 percent per month since last December.

Manufacturers' book value of inventories increased \$2.7 billion or 1.2 percent to \$226.2 billion. With the exception of the motor vehicle industry which reported a \$0.2 billion or 2.4 percent decline, nearly all durable goods industries recorded increases of more than 1.0 percent. Inventories of nondurable goods manufacturers were up \$0.5 billion or 0.7 percent to \$75.9 billion, with the foods and chemicals industries accounting for most of the increase.

The figures for the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear in the report to be published for next month. Periodically all data are adjusted to benchmark levels as discussed later in the section Description of Survey. The advance report on durable goods for December is scheduled for release on January 22, 1980 and the full report is scheduled for release on January 31, 1980.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell, (301) 763-2502.

For sale by the Subscriber Services Section (Publications), Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price 30 cents per copy, \$3.60 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

SIC	Industry	Seasonally adjusted												Without seasonal adjustment ¹														
		Monthly						Monthly						Year to date														
		Nov. ^a 1979	Oct. ^a 1979	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	April 1979	March 1979	Feb. 1979	Oct.-P 1979	Oct.-F 1979	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	April 1979	March 1979	Feb. 1979							
ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL																												
All manufacturing industries:																												
Total, excluding transportation	144,891	145,589	145,201	146,532	141,730	138,960	142,288	144,057	150,802	148,657	140,375	131,605	147,053	144,304	145,3162	144,304	145,3162	144,304	145,3162	144,304	145,3162	144,304	145,3162	144,304	145,3162			
Total for industries with unfilled orders	130,099	130,194	127,578	126,598	123,531	125,049	128,903	133,981	125,331	128,893	127,236	118,022	129,967	126,114	137,457	126,114	137,457	126,114	137,457	126,114	137,457	126,114	137,457	126,114	137,457			
Durable goods industries, total:	75,723	76,637	74,367	75,299	75,058	73,684	75,343	75,331	79,311	77,923	74,499	68,468	78,699	76,990	81,956	76,990	81,956	76,990	81,956	76,990	81,956	76,990	81,956	76,990	81,956			
Durable goods with unfilled orders:	74,066	75,688	74,012	74,416	73,585	72,629	75,698	73,097	78,538	76,949	71,355	67,066	78,976	77,597	81,699	77,597	81,699	77,597	81,699	77,597	81,699	77,597	81,699	77,597	81,699			
Nondurable goods industries, total:	61,137	61,032	60,936	60,985	60,289	59,509	60,974	60,505	63,880	62,833	59,801	54,927	64,208	62,284	66,373	62,284	66,373	62,284	66,373	62,284	66,373	62,284	66,373	62,284	66,373			
Nondurable goods with unfilled orders:	70,825	70,141	69,189	68,116	68,145	66,331	66,590	70,960	72,264	71,708	69,010	64,539	68,077	66,207	73,463	66,207	73,463	66,207	73,463	66,207	73,463	66,207	73,463	66,207	73,463			
Nondurable goods with unfilled orders:	14,586	14,705	14,382	14,363	14,769	14,175	14,369	14,826	15,431	15,090	14,698	13,541	14,691	14,206	15,233	14,206	15,233	14,206	15,233	14,206	15,233	14,206	15,233	14,206	15,233			
MARKET CATEGORIES AND SUPPLEMENTAL SERIES																												
Market categories:	10,997	10,945	10,795	10,750	10,496	10,551	10,381	24,480	25,421	24,865	25,301	26,593	27,000	26,528	24,914	24,914	24,914	24,914	24,914	24,914	24,914	24,914	24,914	24,914	24,914	24,914		
Household and apparel:	26,000	25,783	25,301	24,865	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445	24,445			
Consumer staples:	20,019	20,243	20,445	20,445	20,445	20,445	20,445	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726	19,726				
Furniture and defense products:	11,099	12,121	11,935	11,935	11,935	11,935	11,935	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749	11,749				
Automotive equipment:	12,309	13,068	12,624	12,576	12,536	12,319	12,459	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691	12,691				
Construction materials, supplies, and intermediate products:	63,687	63,429	62,982	61,961	61,812	60,563	61,663	62,153	62,153	61,663	61,663	61,663	61,663	61,663	61,663	61,663	61,663	61,663	61,663	61,663	61,663	61,663	61,663	61,663				
Supplementary series: ²	4,850	4,966	4,669	4,665	4,701	4,661	4,661	4,577	5,005	5,485	5,261	4,955	4,038	4,850	4,688	5,102	4,688	5,102	4,688	5,102	4,688	5,102	4,688	5,102	4,688	5,102		
Household durable goods industries:	22,336	22,026	21,947	21,999	22,169	21,791	21,840	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447	22,447			
Capital goods industries:	19,411	19,421	20,021	20,021	20,021	20,021	20,021	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386	19,386				
Nonresidential equipment:	3,005	3,123	2,928	2,992	2,992	2,992	2,992	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783	2,783				
Defense:	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065				
INDUSTRY GROUPS AND INDUSTRIES																												
Durable goods industries:	4,226	4,246	4,027	4,055	4,111	4,072	4,124	4,168	4,552	4,343	4,386	4,016	4,471	4,263	4,645	4,499	4,499	4,499	4,499	4,499	4,499	4,499	4,499	4,499	4,499	4,499		
Stone, clay, and glass products:	375	372	334	328	320	323	320	323	354	360	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352			
Glass containers:	12,085	12,088	11,554	11,587	11,587	11,587	11,587	11,587	11,457	12,073	12,073	11,457	11,457	11,457	11,457	11,457	11,457	11,457	11,457	11,457	11,457	11,457	11,457	11,457				
Primary metals, total:	5,895	5,895	5,26	5,787	5,999	5,638	6,351	5,266	5,754	5,266	5,266	5,266	5,266	5,266	5,266	5,266	5,266	5,266	5,266	5,266	5,266	5,266	5,266	5,266				
Blast furnaces, steel mills, and nonferrous metals:	5,311	5,081	4,727	4,923	4,783	4,783	4,783	5,115	4,954	4,726	4,726	4,726	4,726	4,726	4,726	4,726	4,726	4,726	4,726	4,726	4,726	4,726	4,726	4,726				
Metal cans, barrels, and drums:	878	826	829	823	792	810	810	727	806	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978				
Machinery, except electrical, and transportation equipment:	13,168	13,783	13,618	13,607	13,219	12,902	13,058	12,607	13,783	13,881	13,881	13,881	13,881	13,881	13,881	13,881	13,881	13,881	13,881	13,881	13,881	13,881	13,881	13,881				
Electrical equipment, apparatus, and fixtures:	1,559	1,640	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641				
Farm machinery and equipment:	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376	1,0376				
Construction, mining, and quarrying:	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552				
Manufacturing machinery:	2,156	2,820	2,827	2,766	2,766	2,766	2,766	2,766	2,599	2,642	2,642	2,642	2,642	2,642	2,642	2,642	2,642	2,642	2,642	2,642	2,642	2,642	2,642	2,642				
Material-handling equipment:	866	875	844	827	803	803	803	795	826	815	815	815	815	815	815	815	815	815	815	815	815	815	815	815				
General industrial machinery:	1,234	1,234	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093				

See footnotes at end of table.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES—Continued

SIC	Industry	Seasonally adjusted												Without seasonal adjustment ¹																	
		Monthly			Monthly			Monthly			Monthly			Year to date																	
Nov. ² 1979	Oct. ² 1979	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	April 1979	March 1979	Feb. 1979	Jan. 1979	Oct. ² 1979	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	April 1979	March 1979	Feb. 1979	Jan. 1979	Oct. ² 1979	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979					
INDUSTRY GROUPS, AND INDUSTRIES—Continued																															
36	Electrical machinery, total.....	9,468	9,375	9,366	9,218	9,101	9,308	9,157	9,590	9,790	9,877	9,029	8,178	9,851	8,390	99,369	99,369	99,369	99,369	99,369	99,369	99,369	99,369	99,369	99,369	99,369					
361.2	Electrical transmission and distribution equipment and industrial apparatus.....	1,716	1,683	1,701	1,585	1,661	1,689	1,700	1,720	1,745	1,534	1,665	1,805	1,718	18,391	16,154	16,154	16,154	16,154	16,154	16,154	16,154	16,154	16,154	16,154	16,154	16,154	16,154	16,154		
363	Household appliances.....	1,081	1,127	1,162	1,073	1,073	1,072	1,077	1,017	1,162	1,152	1,112	1,066	1,170	1,085	11,724	11,333	11,333	11,333	11,333	11,333	11,333	11,333	11,333	11,333	11,333	11,333	11,333	11,333	11,333	
365	Radio and TV appliances.....	588	580	583	581	622	635	675	709	703	685	610	500	709	557	7,053	6,851	6,851	6,851	6,851	6,851	6,851	6,851	6,851	6,851	6,851	6,851	6,851	6,851	6,851	
366	Communication equipment.....	2,804	2,792	2,815	2,844	2,829	2,700	2,755	2,769	2,639	2,641	2,680	2,670	2,670	2,670	28,938	28,938	28,938	28,938	28,938	28,938	28,938	28,938	28,938	28,938	28,938	28,938	28,938	28,938	28,938	
367	Electronic components.....	1,515	1,507	1,532	1,444	1,547	1,530	1,471	1,551	1,578	1,612	1,472	1,388	1,664	1,462	16,751	13,641	13,641	13,641	13,641	13,641	13,641	13,641	13,641	13,641	13,641	13,641	13,641	13,641	13,641	
37	Transportation equipment, total.....	15,495	15,623	16,034	15,996	15,429	17,239	15,154	16,758	13,139	15,583	17,086	18,345	17,206	18,345	17,206	18,345	17,206	18,345	17,206	18,345	17,206	18,345	17,206	18,345	17,206	18,345	17,206			
371	Motor vehicles and parts.....	9,295	10,251	10,472	10,066	10,409	12,123	9,682	11,338	10,210	7,640	8,687	12,468	12,468	12,468	12,468	12,468	12,468	12,468	12,468	12,468	12,468	12,468	12,468	12,468	12,468	12,468				
372.6	Aircraft, missiles, and parts.....	3,473	3,473	3,473	3,473	4,051	3,876	3,425	3,561	3,680	3,607	3,767	3,731	3,522	3,713	3,635	39,832	39,832	39,832	39,832	39,832	39,832	39,832	39,832	39,832	39,832	39,832	39,832	39,832	39,832	39,832
373	Shipbuilding and military tank vehicles.....	735	762	717	753	707	686	616	745	839	735	704	682	736	627	7,729	7,729	7,729	7,729	7,729	7,729	7,729	7,729	7,729	7,729	7,729	7,729	7,729	7,729		
38	Instruments and related products, total.....	3,210	3,089	3,139	3,006	3,009	3,028	2,963	3,301	3,242	3,346	3,021	2,765	3,211	2,943	33,002	33,002	33,002	33,002	33,002	33,002	33,002	33,002	33,002	33,002	33,002	33,002	33,002	33,002	33,002	
381.4	Scientific and engineering.....	1,610	1,788	1,633	1,336	1,332	1,767	1,736	1,848	1,848	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784				
386	Photographic goods.....	1,153	1,118	1,104	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054				
24	All other durable goods industries.....	7,792	8,062	7,698	7,591	7,589	7,356	7,447	7,677	8,588	8,399	8,193	7,053	7,053	7,053	7,053	7,053	7,053	7,053	7,053	7,053	7,053	7,053	7,053	7,053	7,053	7,053				
39	Non durable goods industries:																														
20	Food and kindred products, total.....	20,387	20,273	19,943	19,518	19,770	19,496	19,418	20,636	21,053	20,623	19,544	18,863	19,604	19,268	19,268	19,268	19,268	19,268	19,268	19,268	19,268	19,268	19,268	19,268	19,268	19,268	19,268	19,268		
201	Meat products.....	5,109	4,447	4,477	4,352	4,352	4,396	5,077	5,263	5,263	5,622	4,987	5,007	4,987	5,007	5,368	5,368	5,368	5,368	5,368	5,368	5,368	5,368	5,368	5,368	5,368	5,368	5,368	5,368	5,368	
208	Beverages.....	2,348	2,328	2,313	2,396	2,357	2,285	2,285	2,289	2,393	2,394	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420	2,420			
203-6,9	Fats and oils, etc.	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620	1,620			
21	Tobacco products.....	1,037	1,055	1,049	1,021	1,021	1,042	843	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027		
26	Paper and allied products, total.....	6,016	6,039	3,973	3,903	4,060	3,984	3,914	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013	4,013		
261.3	Pulp, paper, etc.	5,576	5,641	5,544	5,634	5,634	5,479	5,613	5,512	5,745	5,795	5,795	5,795	5,795	5,795	5,637	5,637	5,637	5,637	5,637	5,637	5,637	5,637	5,637	5,637	5,637	5,637	5,637	5,637	5,637	
262	Paperboard containers.....	2,613	2,598	2,565	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586		
264	All other paper containers.....	1,235	1,257	1,191	1,238	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221		
28	Chemicals and allied products, total.....	13,082	12,864	12,705	12,440	12,452	12,552	12,419	12,419	12,419	12,419	12,419	12,419	12,419	12,419	13,172	13,172	13,172	13,172	13,172	13,172	13,172	13,172	13,172	13,172	13,172	13,172	13,172	13,172	13,172	
281.6	Inert chemicals, except pigments and dyes.....	4,691	4,454	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463	4,463			
283.4	Drugs, soap, and toiletries.....	3,492	3,389	3,288	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273	3,273			
29	Petroleum and coal products.....	12,905	12,419	12,281	11,885	10,977	10,977	10,632	12,881	12,302	12,351	11,968	11,086	10,909	10,909	10,909	10,909	10,909	10,909	10,909	10,909	10,909	10,909	10,909	10,909	10,909	10,909	10,909			
30	Rubber and plastics products.....	3,675	3,774	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730			
23	n.e.c.	3,675	3,774	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730	3,730			
27	All other non durable goods industries.....	10,247	10,076	9,964	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972	9,972			
31	Industries—																														

¹Preliminary.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

The supplementary series are groupings of the separate industry categories as follows:

Household durable goods industries—Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and television sets; and miscellaneous personal goods.

Capital goods industries—the capital goods and defense products (old series) categories. Non durable goods industries—except electrical (excluding farm machinery and equipment and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance). Defense products—based on separate reports on defense work (less than 10 percent of total sales) for the following industries: Ordnance; communication equipment; radio and television sets; aircraft and aircraft parts; and shipbuilding. The data are comparable to those published annually in the MA-175, shipments of defense-oriented industries, for the specified industries.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES (millions of dollars)

SIC		Industry		Without seasonal adjustment												Year to date			
				Seasonally adjusted		Monthly		All manufacturing, durable and nondurable goods, total			Monthly			Yearly					
Nov. P	Oct. r	Sect., 1979	Sept., 1979	Aug., 1979	July, 1979	June, 1979	May, 1979	Nov. P	Oct. r	Sect., 1979	Aug., 1979	July, 1979	June, 1979	May, 1979	1979	1978			
ALL MANUFACTURING INDUSTRIES:																			
Total, excluding transportation, utilities, and nondurable goods, total	1,477,888	146,537	147,154	142,664	140,508	142,269	143,594	145,418	153,335	150,964	140,488	132,360	149,983	144,733	1,591,039	1,411,344			
Total, excluding transportation, utilities, and nondurable goods, total	31,700	130,851	128,631	126,434	124,683	124,628	129,342	134,074	132,511	126,942	117,401	120,760	125,545	130,811	1,217,898	1,217,898			
Total for industries with unfilled orders, total	78,620	77,585	78,620	75,431	73,836	76,593	76,649	76,692	80,230	74,612	69,233	81,129	76,919	83,890	762,775	762,775			
Durable goods industries, total	76,321	75,560	74,029	72,345	75,220	73,964	81,075	78,988	71,203	67,926	81,410	78,568	83,406	769,840	769,840				
Durable goods industries, total	63,392	62,864	64,033	60,549	59,249	62,700	62,303	61,372	66,417	64,882	59,639	55,787	66,642	62,835	700,084	621,614			
Nondurable goods industries, total	71,467	70,137	69,596	68,635	67,963	66,449	66,567	71,454	72,260	71,966	64,256	68,073	66,145	73,979	641,505	641,505			
Industries with unfilled orders	15,228	16,701	14,882	14,787	14,293	14,366	15,320	16,434	15,320	16,434	15,346	14,973	14,437	16,054	158,163	141,161			
Industries without unfilled orders	55,239	55,436	54,807	53,753	53,376	52,156	52,221	56,134	55,766	56,618	54,312	50,998	53,586	52,101	578,163	500,343			
MARKET CATEGORIES AND SUPPLEMENTARY SERIES																			
Market categories	10,894	10,765	10,896	10,787	10,313	10,818	10,094	11,103	11,822	12,020	11,758	9,712	11,128	9,731	116,761	106,178			
Home, furniture and apparel	23,765	25,296	24,875	25,248	24,510	24,646	26,456	26,987	26,543	24,995	24,242	24,925	24,335	273,188	245,242				
Consumer staples	26,051	26,051	26,051	26,051	26,051	26,051	26,051	26,051	26,051	26,051	26,051	26,051	26,051	26,051	26,051	26,051			
Equipment and defense products	21,875	20,463	23,229	20,662	19,744	19,320	21,392	20,472	22,988	23,452	18,996	19,256	21,424	20,717	233,901	206,104			
Exceptive automobile equipment	10,614	11,825	11,994	11,473	11,473	11,473	12,128	13,442	10,906	12,900	9,253	10,000	13,469	14,335	140,028	143,447			
Automotive equipment	12,788	12,773	12,547	12,670	12,431	12,046	12,449	12,475	13,266	13,288	13,527	12,342	13,405	13,042	137,891	120,144			
Construction materials, apparatus, and equipment	23,143	23,779	22,337	21,815	20,784	20,089	21,573	20,955	20,327	22,442	20,626	22,168	22,568	23,721	272,255	238,354			
Other industrial and commercial products	65,586	64,946	63,392	62,795	61,119	62,837	61,521	64,006	65,432	63,587	61,959	56,808	65,132	62,530	689,270	590,229			
Supplementary series 2	4,647	4,714	4,657	4,530	4,855	4,308	4,580	5,080	5,266	4,959	4,144	5,105	4,325	51,764	47,475				
Household durable goods, industries	23,143	23,779	22,337	21,815	20,784	20,089	21,573	20,955	20,327	22,442	20,626	22,168	22,568	23,721	272,255	238,354			
Capital goods industries	21,089	21,089	20,089	20,089	20,089	20,089	20,089	20,089	20,089	20,089	20,089	20,089	20,089	20,089	200,794	200,794			
Nondefence	3,013	4,054	4,230	3,013	3,013	2,304	2,497	3,168	3,811	4,427	4,266	2,768	2,768	2,935	35,683	37,557			
INDUSTRY GROUPS AND INDUSTRIES																			
Durable goods industry:	4,181	4,079	4,053	3,991	4,235	3,953	4,182	4,109	4,325	4,337	4,205	4,124	4,307	4,249	44,620	40,594			
Stone, clay and glass	12,623	12,315	11,070	11,337	11,558	11,270	11,931	11,573	11,549	10,285	10,245	11,318	12,733	13,298	116,523	116,523			
Plastics, rubber, and allied industries	5,893	5,665	4,903	5,110	5,476	5,223	5,373	5,193	5,349	4,869	4,240	5,659	5,759	5,686	55,863	55,863			
Nonferrous metals, other primary metal products	5,624	5,440	4,990	5,104	4,728	5,050	4,756	5,279	5,297	4,981	4,926	5,130	5,071	5,201	44,746				
Fabricated metal products	9,197	9,503	8,745	9,768	8,994	8,878	9,477	8,920	9,630	9,339	9,528	9,765	9,725	10,282	90,148				
Machinery, except electrical, metal	13,866	13,839	13,983	13,401	13,502	13,502	13,204	12,871	14,064	13,824	12,741	12,252	14,273	14,099	130,073				
Engines and turbines	1,054	1,196	1,214	1,161	1,161	1,161	1,161	1,161	1,161	1,161	1,161	1,161	1,161	1,161	12,069	12,069			
Construction, mining, and material handling equipment	2,288	2,914	2,889	2,732	2,655	2,565	2,522	2,112	2,887	2,769	2,627	2,604	2,828	2,587	29,319	26,785			
Metalworking machinery	1,192	1,040	1,248	851	1,013	1,013	857	1,946	1,025	1,199	1,090	1,193	901	925	12,608	10,398			
General industrial machinery	1,193	1,205	962	1,223	1,223	1,117	1,205	1,090	1,193	1,090	1,090	1,090	1,090	1,090	1,152	1,152			

See footnotes at end of table.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES—Continued

SIC	Industry	Seasonally adjusted												Without seasonal adjustment ¹													
		Monthly						Monthly						Year to date													
		Nov. P 1979	Oct. r 1979	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	Nov. P 1979	Oct. r 1979	Sept. 1979	July 1979	June 1979	May 1979	Nov. P 1979	Oct. r 1979	Sept. 1979	July 1979	June 1979	May 1979	Nov. P 1979	Oct. r 1979	Sept. 1979	July 1979	June 1979	May 1979	
INDUSTRY GROUPS AND INDUSTRIES—Continued																											
36	Electrical machinery, total ²	9,683	9,661	9,796	9,833	8,867	9,690	9,587	9,399	10,047	10,402	9,651	8,423	10,300	9,307	105,920	94,190										
364,2	Electrical transmission and distribution equipment and industrial apparatus ³	1,717	1,782	1,697	1,772	1,579	1,811	1,768	1,638	1,795	1,736	1,730	1,453	1,887	1,717	13,144	16,948										
364,3	Household appliances ⁴	1,114	1,080	1,069	1,032	1,022	1,084	1,064	974	1,115	1,054	1,054	1,047	1,180	1,075	11,675	11,152										
365	Radio and TV ⁵	351	578	544	538	534	538	529	529	466	749	749	436	935	338	6,886	6,873										
366	Communication equipment ⁶	2,944	2,901	3,115	2,871	2,359	2,578	3,084	2,18	3,166	3,273	2,155	2,387	2,496	1,822	30,819	26,563										
367	Electronics ⁷	1,845	1,604	1,573	1,762	1,671	1,700	1,593	1,593	1,666	1,672	1,722	1,596	1,790	1,659	18,703	15,178										
37	Transportation equipment, total	16,088	15,686	18,323	16,230	15,874	17,586	18,966	16,026	19,261	18,453	13,526	14,959	18,723	19,148	200,328	193,446										
372,6	Aircraft, missiles, and parts	5,341	3,944	5,956	4,562	4,301	6,046	5,092	6,338	6,189	4,435	4,983	5,761	4,704	59,735	49,076											
373,1	Shipbuilding and military tank vehicles ⁸	711	732	802	975	593	245	924	661	935	766	684	619	452	760	7,936	8,771										
38	Instruments and related products ⁹	3,173	3,212	3,129	3,084	3,023	3,133	2,960	3,239	3,290	3,187	3,117	2,837	3,402	2,934	33,805	29,740										
24	All other durable goods industries ¹⁰	7,651	8,144	7,724	7,515	7,510	7,370	7,445	7,419	8,518	8,341	8,130	7,200	7,964	7,759	84,624	74,980										
39																											

¹Preliminary.²Revised.³Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day and calendar-month variations.⁴The supplementary series are regroupings of the separate industry categories as follows: Household durable goods industries = Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks and miscellaneous personal goods.⁵Capital goods industries = The capital goods industries is comparable to the previous producers' Capital Goods and the Defense Products (old series) categories. Nondefense products—machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV and electronic components), and the nondense portions of shipbuilding and repairing and rail road equipment, communication equipment, aircraft and airplane parts, and ordnance. Defense products—based on separate reports on defense work for by large defense contractors in the following industries: ordnance; communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the AS-125, *Shipments of Defense- Oriented Industries*, for the specified industries.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES
(millions of dollars)

SIC	Industry	Seasonally adjusted												Without seasonal adjustment ¹												
		Monthly				Monthly				Last 7 months				Last 7 months				Monthly				Last 3 months (a year ago)				
		Nov. 1979 ^b	Oct. 1979 ^b	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	Nov. 1979 ^b	Oct. 1979 ^b	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	Nov. 1978	Oct. 1978	Sept. 1978	Nov. 1977	Oct. 1977	Sept. 1977	Nov. 1977	Oct. 1977	Sept. 1977		
ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL																										
All manufacturing industries		275,801	272,906	271,346	267,994	276,863	269,086	265,782	275,014	273,650	271,120	268,812	266,694	267,941	265,506	233,600	229,031	221,711								
Total, excluding transportation		175,806	174,206	173,440	172,187	172,253	173,753	172,605	173,745	173,306	173,215	173,603	173,374	174,500	173,702	151,520	152,496	150,499								
Durable goods industries		263,791	261,538	260,576	257,029	257,417	258,457	255,273	263,355	262,464	259,331	257,882	258,040	257,179	254,745	223,466	219,003	211,688								
Nondurable goods industries		12,010	11,368	11,370	10,965	10,446	10,629	10,509	11,679	11,186	10,930	10,654	10,762	10,761	10,134	10,028	10,082									
MARKET CATEGORIES AND SUPPLEMENTARY SERIES																										
Market categories:																										
Home goods and apparel	4,613	4,676	4,663	4,870	4,832	5,001	4,405	4,470	4,907	5,287	5,238	5,182	5,072	4,679	4,112	4,467	4,913									
Consumer staples																										
Equipment and defense products	151,729	150,359	150,430	147,804	148,647	148,905	147,898	152,690	152,125	150,196	147,615	148,216	147,165	146,380	133,339	130,419	124,972									
Automotive equipment																										
Construction materials suppliers, and intermediate products	20,519	20,741	21,037	21,114	21,020	21,114	21,388	20,430	20,648	21,018	21,217	21,142	21,155	21,364	19,619	19,306	19,747									
Other materials and supplies	98,940	97,039	95,156	94,206	93,374	94,066	91,191	97,426	95,370	94,619	94,742	94,154	94,589	93,033	76,530	74,341	72,138									
Supplementary series ²																										
Household durable goods industries	3,458	3,663	3,914	3,847	3,839	3,847	3,847	3,828	3,828	3,828	3,828	3,828	4,185	4,181	4,175	4,070	3,813	3,338	3,639	4,065	4,065	3,639	3,639	3,639		
Capital goods industries	175,386	172,976	172,199	169,101	168,329	167,943	167,943	165,106	167,943	165,106	167,943	167,943	171,783	168,744	167,941	165,933	163,933	162,893	162,893	162,893	162,893	162,893	162,893	162,893	162,893	
Nondefense industries	128,445	126,666	126,199	124,404	123,673	122,825	121,936	120,316	128,633	126,316	128,633	128,633	126,633	124,639	123,343	121,536	118,389	121,536	118,389	121,536	118,389	121,536	118,389	121,536		
Defense ³	46,941	46,010	46,100	44,697	44,656	45,138	45,670	47,392	46,658	45,293	44,066	44,066	44,066	44,598	44,598	44,447	44,970	44,970	42,657	41,197	33,921					
INDUSTRY GROUPS AND INDUSTRIES																										
Durable goods industry:																										
Stone, clay and glass	2,882	2,928	3,096	3,070	3,133	3,069	3,128	2,793	2,052	2,052	2,052	2,052	3,078	3,064	3,185	3,078	3,160	2,635	2,707	2,721						
Primary metals, total	30,790	30,252	30,024	29,870	30,933	30,041	29,933	31,138	29,330	28,806	28,806	28,806	28,998	29,998	31,133	32,655	33,066	25,936	26,637	23,944						
Hasti furnaces, steel mills, nonferrous and other primary metal products	18,657	18,450	18,680	18,756	20,041	20,930	21,082	17,788	17,491	17,491	17,491	17,491	17,491	18,989	18,989	20,341	21,516	22,073	16,625	16,625	15,642					
Nonmetallic mineral products, except electrical equipment, engines and turbines	9,506	9,193	8,833	8,570	8,390	8,445	8,176	8,907	8,743	8,577	8,570	8,570	8,570	8,570	8,570	8,662	8,662	8,495	8,495	8,495	6,613	6,743	6,527			
Fabricated metal products, machinery, except electrical equipment, engines and turbines	27,875	28,013	27,818	28,060	27,911	27,910	27,886	28,108	28,103	28,213	28,213	28,213	28,213	28,213	27,902	27,924	25,565	25,565	25,565							
Construction, mining and material handling equipment	8,003	8,071	7,977	7,955	7,989	7,993	8,018	7,945	7,945	7,945	7,945	7,945	7,945	7,945	7,945	8,042	7,723	7,586	7,601	7,601	7,601	7,601	7,601			
Metalworking machinery	7,018	6,922	6,756	6,352	6,327	6,111	6,039	7,911	7,911	7,911	7,911	7,911	7,911	7,911	7,911	8,073	8,073	8,073	8,073	8,073	8,073	8,073	8,073			
General industrial machinery	7,259	7,181	7,181	7,210	7,341	7,247	7,247	7,182	7,182	7,182	7,182	7,182	7,182	7,182	7,182	7,182	7,182	7,182	7,182	7,182	7,182	7,182	7,182			

See footnotes at end of table.

Table 3. VALUE OF MANUFACTURES, UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES--Continued

卷之三

Preliminary. Revised.

The supplementary series are regroupings of the separate industry categories as follows:
Household durable goods industries - Household furniture; kitchen articles and pottery; cutlery, hardware, household appliances; radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Beginning in 1976, the fiscal year for the Federal Government probably affected the awarding of contracts and other financial arrangements. Although the impact of this change is not known, the use of previously established seasonal factors would have substantially distorted the current data since these seasonal factors reflect historical Government purchasing patterns. Therefore, beginning in July 1977, new composite seasonal factors were developed by combining the existing end of fiscal year information with data for the previous calendar quarter (i.e., one quarter preceding the end of the fiscal year). These composite factors were used for nondefense Government orders and for defense Government orders. Similar adjustments could not be made for nondefense Government orders since such data are not available to assess the impact of the change in the fiscal year on the new orders data. This adjustment will be used until a sufficient amount of data are available to assess the impact of the change in the fiscal year on the new orders data.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES (Millions of dollars)

SIC	Industry	Seasonally adjusted												Without seasonal adjustment ¹																			
		Monthly						Monthly						Last 3 months (a year ago)						Last 3 months (a year ago)													
		Nov. 1979 ^r	Oct. 1979 ^r	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	Apr. 1979 ^b	Mar. 1979 ^b	Feb. 1979 ^b	Jan. 1979 ^b	Dec. 1978	Nov. 1979 ^b	Oct. 1979 ^b	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	Apr. 1979	Mar. 1979	Feb. 1979	Jan. 1979	Nov. 1978	Oct. 1978	Sept. 1978						
ALL MANUFACTURING INDUSTRIES																																	
Total manufacturing industries		226,167	223,450	221,417	219,137	216,560	214,339	211,085	225,154	222,296	219,375	217,893	214,979	213,818	212,123	195,872	193,459	191,454	190,122	188,866	187,468	186,843	185,112	171,638	169,796	163,118							
Total excluding trans-		193,985	192,893	190,918	188,366	186,349	183,960	194,823	192,653	190,736	189,394	187,558	186,843	185,112	171,638	169,796	163,118	161,322	151,655	151,236	149,527	148,366	147,210	133,221	131,655	131,319							
Total for industries with unfilled orders		156,480	152,433	151,483	149,006	147,983	145,876	155,115	153,076	151,211	151,236	144,661	144,672	144,370	142,752	142,041	140,697	137,196	125,548	124,973	124,973	124,973	124,973	124,973	124,973	124,973	124,973						
Durable goods industries, total		148,042	145,927	144,966	143,369	141,700	139,502	146,770	146,672	146,618	146,672	146,672	146,672	146,672	146,672	142,752	142,041	140,697	137,196	125,548	124,973	124,973	124,973	124,973	124,973	124,973	124,973	124,973					
Durable goods with unfilled orders		139,259	137,235	135,529	134,663	131,310	129,248	136,339	134,672	134,216	132,532	131,557	130,302	117,993	116,516	116,516	116,516	116,516	116,516	116,516	116,516	116,516	116,516	116,516	116,516	116,516	116,516	116,516					
Non-durable goods industries, total		75,930	75,408	74,171	73,194	72,539	71,583	76,384	75,624	74,757	73,543	72,227	71,777	71,426	68,676	67,911	66,911	66,911	66,911	66,911	66,911	66,911	66,911	66,911	66,911	66,911	66,911	66,911	66,911				
Non-durable goods with unfilled orders		17,221	17,090	16,914	16,820	16,660	16,473	16,578	16,842	16,737	16,739	17,010	16,995	17,009	16,908	15,238	15,119	15,119	15,119	15,119	15,119	15,119	15,119	15,119	15,119	15,119	15,119	15,119	15,119				
Market categories and supplemental series		ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL												MARKET CATEGORIES AND SUPPLEMENTAL SERIES												INDUSTRY GROUPS AND INDUSTRIES							
Market categories		ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL												MARKET CATEGORIES AND SUPPLEMENTAL SERIES												INDUSTRY GROUPS AND INDUSTRIES							
Household durable goods industries		17,167	17,293	17,591	17,515	17,598	17,398	17,284	16,671	16,825	17,325	17,733	18,033	18,182	17,988	16,157	16,246	16,495	16,495	16,495	16,495	16,495	16,495	16,495	16,495	16,495	16,495	16,495	16,495	16,495			
Consumer staples		20,619	20,404	20,592	20,944	20,592	20,380	20,166	20,426	20,312	20,214	20,633	20,663	20,693	20,622	20,554	20,621	20,621	20,621	20,621	20,621	20,621	20,621	20,621	20,621	20,621	20,621	20,621	20,621				
Equipment and defense products		60,468	59,527	58,234	57,316	56,408	55,632	54,447	60,439	58,937	57,721	56,898	56,197	55,711	54,873	49,089	48,488	47,866	47,866	47,866	47,866	47,866	47,866	47,866	47,866	47,866	47,866	47,866	47,866	47,866			
Automotive equipment		11,104	11,304	11,199	11,606	11,606	11,219	11,567	11,210	11,472	11,180	11,533	10,894	10,880	11,399	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257				
Construction materials, supplies, and intermediate products		19,290	19,000	18,882	18,787	18,828	18,492	18,589	18,811	18,676	18,663	18,748	18,745	18,741	18,741	18,741	18,741	18,741	18,741	18,741	18,741	18,741	18,741	18,741	18,741	18,741	18,741						
Other materials and supplies		87,919	86,922	86,032	84,768	83,418	82,128	81,032	82,397	86,074	84,772	84,318	83,447	82,441	81,515	76,656	75,521	74,412	74,412	74,412	74,412	74,412	74,412	74,412	74,412	74,412	74,412	74,412	74,412	74,412			
Supplementary series		8,899	8,866	8,881	8,857	8,870	8,878	8,823	8,756	8,630	8,646	8,736	8,936	9,049	9,130	9,076	8,376	8,380	8,518	8,518	8,518	8,518	8,518	8,518	8,518	8,518	8,518	8,518	8,518	8,518	8,518		
Household durable goods industries		67,743	66,293	64,900	63,601	62,658	61,110	60,440	61,394	65,839	64,381	63,304	62,504	62,504	62,504	61,011	54,273	53,571	52,615	52,615	52,615	52,615	52,615	52,615	52,615	52,615	52,615	52,615	52,615	52,615	52,615		
Capital goods industries		58,502	57,467	56,471	55,420	54,612	53,730	52,602	52,602	52,602	52,602	52,602	52,602	52,602	52,602	52,602	53,131	47,581	46,581	45,694	45,694	45,694	45,694	45,694	45,694	45,694	45,694	45,694	45,694	45,694	45,694	45,694	
Non-durable goods industries		58,241	58,636	8,519	8,181	8,046	7,980	7,832	9,046	8,810	8,540	8,288	8,182	8,059	8,059	8,059	8,059	8,059	8,059	8,059	8,059	8,059	8,059	8,059	8,059	8,059	8,059	8,059					
Inferior...		9,241	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636	8,636					
Durable goods industries		5,550	5,452	5,445	5,445	5,559	5,559	5,557	5,429	5,372	5,322	5,236	5,310	5,274	5,380	5,445	5,445	5,445	5,445	5,445	5,445	5,445	5,445	5,445	5,445	5,445	5,445	5,445	5,445				
Stone, clay, and glass products		536	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534	534					
Glass containers		33	19,149	19,055	19,144	19,055	19,144	19,055	19,144	18,793	18,718	18,191	18,199	19,036	18,845	18,759	18,759	18,759	18,759	18,759	18,759	18,759	18,759	18,759	18,759	18,759	18,759	18,759	18,759				
Primary metal, total		19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464	19,464						
Nonferrous and other primary metals		10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536	10,457	10,536					
Nonferrous and other primary metals, nonferrous		7,364	7,125	7,125	7,125	7,125	7,125	7,125	7,125	7,049	6,903	6,854	7,249	7,031	7,008	7,033	7,033	7,033	7,033	7,033	7,033	7,033	7,033	7,033	7,033	7,033	7,033	7,033	7,033				
Fabricated metal prod., total		19,097	18,771	18,636	18,636	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533	18,533					
Metal cans, barrels, and drums		1,475	1,447	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380					
Machinery, except electrical, total		35,597	35,525	35,525	35,525	34,607	34,607	34,607	34,607	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573	33,573						
Engines and turbines		2,609	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549	2,549					
Construction, mining, and quarrying		3,063	3,040	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889					
Metals and mineral products		8,351	8,214	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185					
Metals and mineral products, nonfer																																	

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

SIC	Industry	Seasonally adjusted												Without seasonal adjustment ¹														
		Monthly				Last 7 months				Last 3 months (a year ago)				Monthly				Last 7 months				Last 3 months (a year ago)						
		Nov. 1979 ^b	Oct. 1979 ^b	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	Nov. 1979 ^b	Oct. 1979 ^b	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	Nov. 1978	Oct. 1978	Sept. 1978	Aug. 1978	July 1978	June 1978	May 1978						
INDUSTRY GROUPS AND INDUSTRIES--Continued																												
36	Electrical machinery, total ²	20,047	19,817	19,486	19,180	19,015	18,714	18,479	19,841	19,610	19,125	19,125	19,125	19,125	19,125	18,937	16,912	16,821	16,937	16,937	16,937	16,937	16,937	16,937	16,937			
361.2	Electrical transmission and distribution equipment and industrial apparatus ³	3,730	3,632	3,580	3,527	3,524	3,490	3,490	3,759	3,691	3,585	3,585	3,585	3,585	3,585	3,534	3,207	3,185	3,123	3,123	3,123	3,123	3,123	3,123	3,123	3,123		
363	Household appliances ⁴	1,976	1,967	1,951	1,951	1,951	1,958	1,958	1,883	1,883	1,884	1,884	1,884	1,884	1,884	2,107	1,990	1,987	1,941	1,941	1,941	1,941	1,941	1,941	1,941	1,941		
365	Radio and TV ⁵	938	938	938	938	938	938	938	6,365	6,239	5,986	6,255	6,255	6,255	6,255	6,255	1,033	1,033	1,033	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	
366	Communication equipment ⁶	6,513	6,518	6,512	6,512	6,512	6,512	6,512	2,904	2,850	2,913	2,950	2,950	2,950	2,950	2,950	6,179	6,179	6,179	5,646	5,646	5,646	5,646	5,646	5,646	5,646	5,646	
367	Electronic components ⁷	2,985	2,977	2,893	2,558	2,558	2,558	2,558	2,913	2,913	2,913	2,913	2,913	2,913	2,913	2,870	2,870	2,870	2,493	2,493	2,493	2,493	2,493	2,493	2,493	2,493	2,493	
37	Transportation equipment, total ⁸	30,213	28,534	28,219	27,994	27,390	27,125	27,125	30,331	29,673	28,639	28,348	28,348	27,421	26,970	26,971	24,184	23,663	23,663	23,827	23,827	23,827	23,827	23,827	23,827	23,827	23,827	
371	Motor vehicles and parts ⁹	8,684	8,811	9,257	9,236	8,857	9,177	8,856	9,135	8,881	9,294	8,627	8,564	9,294	8,627	8,564	9,002	8,343	8,036	8,576	8,576	8,576	8,576	8,576	8,576	8,576	8,576	
372.6	Aircraft, missiles, and parts ¹⁰	16,889	16,169	15,481	14,825	14,756	14,696	14,083	16,899	16,157	15,509	14,918	14,918	14,746	14,103	14,103	12,125	11,916	11,916	11,561	11,561	11,561	11,561	11,561	11,561	11,561	11,561	
373.1	Shipbuilding and military parts ¹¹	2,306	2,116	2,064	1,815	1,673	1,718	2,261	2,108	2,081	2,081	2,081	2,081	2,081	2,081	1,917	1,725	1,766	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763		
373.9	Tank vehicles ¹²	7,461	7,456	7,486	7,645	7,336	7,212	7,489	7,457	7,438	7,504	7,479	7,479	7,479	7,479	7,479	7,319	7,319	7,319	6,331	6,331	6,331	6,331	6,331	6,331	6,331	6,331	
38	Instruments and related total ¹³	7,585	7,456	7,456	7,456	7,456	7,456	7,456	5,138	5,138	5,138	5,138	5,138	5,138	5,138	5,138	6,981	6,981	6,981	6,960	6,960	6,960	6,960	6,960	6,960	6,960	6,960	
381.4	Scientific and technical equipment ¹⁴	5,091	5,091	5,091	5,091	5,091	5,091	5,091	2,038	2,067	2,009	1,871	1,871	1,871	1,871	1,945	2,076	2,076	2,076	2,076	2,076	2,076	2,076	2,076	2,076	2,076		
386	Photographic goods ¹⁵	1,950	1,926	1,926	1,926	1,926	1,926	1,926	2,031	2,031	2,031	2,031	2,031	2,031	2,031	2,031	2,086	2,086	2,086	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	
24	All other durable goods ¹⁶	11,870	11,734	11,724	11,551	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,672	11,672	11,672	10,732	10,732	10,732	10,732	10,732	10,732	10,732	10,732	
39	All industries ¹⁷	11,935	11,734	11,724	11,551	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	11,606	10,588	10,588	10,588	10,588	10,588	10,588	10,588	10,588	
Nondurable goods industries ¹⁸																												
20	Food and kindred products ¹⁹	20,091	19,871	19,856	19,493	19,159	19,106	19,106	21,325	20,397	19,393	18,000	18,000	18,000	18,000	18,000	17,933	17,933	17,933	17,933	17,933	17,933	17,933	17,933	17,933	17,933		
201	Meat products ²⁰	1,978	1,978	1,978	1,978	1,978	1,978	1,978	1,710	1,710	1,527	1,527	1,527	1,527	1,527	1,527	1,527	1,701	1,701	1,701	1,555	1,555	1,555	1,555	1,555	1,555	1,555	1,555
202	Petroleum oil ²¹	1,907	1,887	1,704	1,562	1,562	1,562	1,562	1,562	1,562	1,562	1,562	1,562	1,562	1,562	1,562	1,562	1,536	1,536	1,536	1,403	1,403	1,403	1,403	1,403	1,403	1,403	1,403
203-6,9	All other nondurable goods ²²	10,882	10,882	10,882	10,700	10,700	10,700	10,700	10,607	10,607	10,607	10,607	10,607	10,607	10,607	10,607	11,712	11,712	11,712	10,992	10,992	10,992	10,992	10,992	10,992	10,992	10,992	
21	Tobacco products ²³	3,693	3,746	3,746	3,746	3,746	3,746	3,746	3,724	3,724	3,724	3,724	3,724	3,724	3,724	3,724	3,638	3,638	3,638	3,519	3,519	3,519	3,519	3,519	3,519	3,519	3,519	
22	Textile mill products ²⁴	5,834	5,746	5,686	5,703	5,665	5,665	5,665	5,669	5,669	5,669	5,669	5,669	5,669	5,669	5,669	5,608	5,733	5,733	5,479	5,479	5,479	5,479	5,479	5,479	5,479	5,479	
26	Paper and allied products ²⁵	6,622	6,538	6,222	6,245	6,344	6,294	6,294	6,573	6,548	6,517	6,317	6,317	6,317	6,317	6,317	6,422	6,398	6,398	5,744	5,744	5,744	5,744	5,744	5,744	5,744	5,744	
261.3	Pulp, paper, etc. ²⁶	2,245	2,137	2,148	2,110	2,100	2,090	2,090	2,170	2,170	2,178	2,105	2,105	2,105	2,105	2,105	2,133	2,133	2,133	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	
262	Paperboard containers ²⁷	1,854	1,809	1,443	2,442	2,442	1,878	1,878	1,817	1,817	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680	
264	All other paper containers ²⁸	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,531	2,066	2,066	2,066	2,066	2,066	2,066	2,066	2,066	
28	Chemicals and allied products, total ²⁹	16,610	16,582	16,267	16,022	15,901	15,964	16,752	16,049	16,049	16,049	16,049	16,049	16,049	16,049	15,797	15,233	14,981	14,931	14,931	14,931	14,931	14,931	14,931	14,931			
281.6	Industrial chemicals, except pigments ³⁰	16,777	16,610	16,582	16,267	16,022	15,901	15,964	16,752	16,049	16,049	16,049	16,049	16,049	16,049	16,049	15,797	15,233	14,981	14,931	14,931	14,931	14,931	14,931	14,931	14,931		
281.6	Drugs, soap, and toiletries ³¹	5,071	5,038	5,021	4,894	4,816	4,677	4,717	5,101	5,101	5,101	5,101	5,101	5,101	5,101	4,950	4,884	4,792	4,584	4,666	4,568	4,568	4,568	4,568	4,568	4,568	4,568	4,568
283.4	Drugs, soap, and toiletries ³²	5,333	5,281	5,247	5,190	5,132	5,196	5,122	5,301	5,301	5,223	5,178	5,178	5,178	5,178	5,178	5,158	5,158	5,158	5,026	5,026	5,026	5,026	5,026	5,026	5,026	5,026	
29	Rubber and plastic products, n.e.c. ³³	6,411	6,400	6,354	5,997	5,597	5,347	5,063	6,400	6,400	6,556	6,571	6,571	6,571	6,571	6,440	6,034	5,606	5,287	5,031	5,753	5,753	5,753	5,753	5,753	5,753	5,753	5,753
30	All other nondurable goods ³⁴	4,799	4,818	4,947	4,985	4,870	4,868	4,868	4,703	4,703	4,699	4,699	4,699	4,699	4,699	4,826	4,894	4,894	4,915	4,915	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424
23	All other nondurable goods industries ³⁵	11,739	11,732	11,882	11,911	11,710	11,623	11,623	11,225	11,225	11,225	11,225	11,225	11,225	11,225	11,877	12,131	12,131	12,131	12,131	12,131	12,131	12,131	12,131	12,131	12,131		
21	All industries ³⁶	11,739	11,732	11,882	11,911	11,710	11,623	11,623	11,225	11,225	11,225	11,225	11,225	11,225	11,225	11,877	12,131	12,131	12,131	12,131	12,131	12,131	12,131	12,131	12,131	12,131		

Preliminary.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

The supplemental series are regroupings of the separate industry categories as follows:

Household durable goods industries - Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries - Capital goods and the defense products (old series) categories.

Nondurable goods industries - Machinery, except electrical (including equipment and machine shops); electrical machinery and ordnance; nondense portions of railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP (Millions of dollars)

Industry	Seasonally adjusted												Without seasonal adjustment													
	Nov. 1979 ^b	Oct. 1979 ^b	Sep. 1979 ^b	Aug. 1979 ^b	July 1979 ^b	June 1979 ^b	May 1979 ^b	Nov. 1979 ^b	Oct. 1979 ^b	Sep. 1979 ^b	July 1979 ^b	June 1979 ^b	May 1979 ^b	Nov. 1978	Oct. 1978	Sept. 1978										
	TOTAL																									
All manufacturing industries, total...	226,167	223,450	221,417	219,137	216,560	214,339	211,085	225,154	222,296	219,375	217,893	214,979	213,818	212,123	195,672	193,459	191,945									
Durable goods industries, total...	130,137	145,827	143,366	141,905	140,700	143,439	146,907	146,672	144,618	144,274	142,752	142,041	140,697	127,196	125,348	124,973										
Stone, clay, and glass products...	5,350	5,443	5,445	5,445	5,372	5,322	5,336	5,310	5,310	5,300	5,445	5,406	5,449	5,406	5,425	4,536	4,536	4,536								
Primary metals...	19,459	19,459	19,459	19,459	18,585	18,585	18,585	18,585	18,585	18,585	18,579	18,579	18,579	18,579	18,579	17,936	17,936	17,931								
Nonmetallic mineral industries...	13,076	13,625	13,625	13,625	13,533	13,533	13,533	13,533	13,533	13,533	13,523	13,523	13,523	13,523	13,523	13,499	13,499	13,499								
Nonmetallic mineral industries, total...	13,055	13,525	13,525	13,525	13,467	13,467	13,467	13,467	13,467	13,467	13,456	13,456	13,456	13,456	13,456	13,436	13,436	13,436								
Electrical machinery...	20,568	18,181	18,181	18,181	18,015	18,015	18,015	18,015	18,015	18,015	18,015	18,015	18,015	18,015	18,015	18,937	18,937	18,937								
Transportation equipment...	30,166	29,665	29,665	29,665	28,534	28,534	28,534	28,534	28,534	28,534	28,439	28,439	28,439	28,439	28,439	26,970	26,970	26,970								
Transportation equipment, total...	30,166	29,665	29,665	29,665	28,534	28,534	28,534	28,534	28,534	28,534	28,439	28,439	28,439	28,439	28,439	26,827	26,827	26,827								
Instruments and related products...	7,985	7,456	7,456	7,456	7,336	7,315	7,336	7,336	7,336	7,336	7,438	7,438	7,438	7,438	7,438	7,436	7,436	7,436								
All other durable goods industries...	11,933	11,750	11,750	11,750	11,551	11,551	11,551	11,551	11,551	11,551	11,548	11,548	11,548	11,548	11,548	11,331	11,331	11,331								
Nondurable goods industries, total...	75,930	75,408	75,408	75,408	74,176	74,176	74,176	74,176	74,176	74,176	74,176	74,176	74,176	74,176	74,176	67,992	67,992	67,992								
Chemicals and allied products...	16,610	16,610	16,610	16,610	16,328	16,328	16,328	16,328	16,328	16,328	16,409	16,409	16,409	16,409	16,409	15,981	15,981	15,981								
Petroleum and coal products...	6,400	6,400	6,400	6,400	5,997	5,997	5,997	5,997	5,997	5,997	6,566	6,566	6,566	6,566	6,566	5,753	5,753	5,753								
Rubber and plastics products, n.e.c...	4,818	4,818	4,818	4,818	4,802	4,802	4,802	4,802	4,802	4,802	4,826	4,826	4,826	4,826	4,826	4,455	4,455	4,455								
All other nondurable goods industries...	47,943	47,580	47,580	47,580	46,587	46,587	46,587	46,587	46,587	46,587	47,941	47,941	47,941	47,941	47,941	45,683	45,683	45,683								
MATERIALS AND SUPPLIES																										
All manufacturing industries, total...	78,009	77,311	75,751	75,751	74,053	73,285	72,583	72,583	72,583	72,583	77,211	75,497	75,497	75,497	75,497	73,644	67,673	67,673								
Durable goods industries, total...	48,039	47,734	46,382	46,382	45,538	44,304	44,304	44,304	44,304	44,304	47,901	47,901	47,901	47,901	47,901	44,225	44,225	44,225								
Stone, clay, and glass products...	2,157	2,157	2,157	2,157	2,059	2,059	2,059	2,059	2,059	2,059	2,115	2,115	2,115	2,115	2,115	2,035	2,035	2,035								
Primary metals...	7,299	7,116	7,116	7,116	7,088	7,088	7,088	7,088	7,088	7,088	7,054	7,054	7,054	7,054	7,054	7,054	7,054	7,054								
Fabricated metals...	6,695	6,706	6,706	6,706	6,589	6,589	6,589	6,589	6,589	6,589	6,621	6,621	6,621	6,621	6,621	6,595	6,595	6,595								
Electrical machinery...	10,493	10,493	10,493	10,493	9,869	9,869	9,869	9,869	9,869	9,869	9,722	9,722	9,722	9,722	9,722	9,722	9,722	9,722								
Nonmetallic mineral industries...	5,753	5,753	5,753	5,753	5,668	5,668	5,668	5,668	5,668	5,668	5,571	5,571	5,571	5,571	5,571	5,571	5,571	5,571								
Electrical machinery, total...	8,303	8,303	8,303	8,303	7,977	7,977	7,977	7,977	7,977	7,977	7,657	7,657	7,657	7,657	7,657	7,657	7,657	7,657								
Transportation equipment...	2,326	2,326	2,326	2,326	2,274	2,274	2,274	2,274	2,274	2,274	2,226	2,226	2,226	2,226	2,226	2,226	2,226	2,226								
Instruments and related products...	2,366	2,366	2,366	2,366	2,324	2,324	2,324	2,324	2,324	2,324	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161								
All other durable goods industries...	5,000	4,962	4,962	4,962	4,346	4,346	4,346	4,346	4,346	4,346	4,673	4,673	4,673	4,673	4,673	4,673	4,673	4,673								
Nondurable goods industries, total...	29,970	29,369	29,369	29,369	28,561	28,561	28,561	28,561	28,561	28,561	28,079	28,079	28,079	28,079	28,079	28,079	28,079	28,079								
Chemicals and allied products...	6,149	6,017	6,017	6,017	5,873	5,873	5,873	5,873	5,873	5,873	5,744	5,744	5,744	5,744	5,744	5,744	5,744	5,744								
Petroleum and coal products...	1,778	1,778	1,778	1,778	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774	1,774								
Rubber and plastics products, n.e.c...	1,712	1,742	1,742	1,742	1,696	1,696	1,696	1,696	1,696	1,696	1,683	1,683	1,683	1,683	1,683	1,683	1,683	1,683								
All other nondurable goods industries...	20,331	19,978	19,978	19,978	20,012	19,715	19,715	19,715	19,715	19,715	19,273	19,273	19,273	19,273	19,273	19,273	19,273	19,273								
WORK IN PROCESS																										
All manufacturing industries, total...	78,137	76,873	75,718	74,374	73,554	72,796	71,223	69,455	68,610	68,610	68,549	67,900	67,900	67,900	67,900	67,900	67,900	67,900								
Durable goods industries, total...	66,204	64,892	63,828	62,776	62,006	61,461	59,873	55,324	53,023	53,023	51,109	36,479	36,479	36,479	36,479	36,479	36,479	36,479								
Stone, clay, and glass products...	837	837	826	826	827	831	842	823	823	823	773	773	773	773	773	773	773	773								
Primary metals...	6,935	6,935	6,945	6,945	6,945	6,945	6,945	6,945	6,945	6,945	6,945	6,945	6,945	6,945	6,945	6,945	6,945									
Fabricated metals...	7,908	7,727	7,727	7,727	7,696	7,696	7,696	7,696	7,696	7,696	7,689	7,689	7,689	7,689	7,689	7,689	7,689	7,689								
Nonmetallic mineral industries...	16,708	16,027	16,027	16,027	16,394	16,394	16,394	16,394	16,394	16,394	16,394	16,394	16,394	16,394	16,394	16,394	16,394	16,394								
Electrical machinery...	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838	9,838								
Transportation equipment...	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566	11,566									
All other durable goods industries...	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235	3,235								
Nondurable goods industries, total...	11,933	11,981	11,981	11,981	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900								
Chemicals and allied products...	2,553	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681	2,681								
Petroleum and coal products...	2,018	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989								
Rubber and plastics products, n.e.c...	868	868	868	868	868	868	868	868	868	868	868	868	868	868	868	868	868	868								
All other nondurable goods industries...	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494	6,494								
FINISHED GOODS																										

Table 6. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS MONTH-TO-MONTH AND LONG TERM PERCENT CHANGES
(Based on seasonally adjusted data)

Item and industry group	Month-to-month			Average monthly rates of change			Average		
	Oct.- Nov. 1979	Sept.- Oct. 1979	Aug.- Sept. 1979	3 months			12 months Nov. 1978- Nov. 1979	Average rise	Average decline
				Aug.- Nov. 1979	May- Aug. 1979	Feb.- May 1979			
Shipments:									
All manufacturing industries.....	-0.5	+1.7	+0.5	+0.6	+0.1	+1.7	+0.8	+1.6	-1.2
Durable goods industries, total.....	-1.8	+1.9	-0.5	-0.1	-0.6	+1.1	+0.4	+1.9	-1.7
Nondurable goods industries, total.....	+1.0	+1.4	+1.6	+1.3	+0.8	+2.3	+1.3	+1.5	-0.9
Total inventories:									
All manufacturing industries.....	+1.2	+0.9	+1.0	+1.0	+1.2	+1.2	+1.2	+0.9	-0.3
New orders:									
All manufacturing industries.....	+0.9	-0.4	+3.1	+1.2	-0.2	+0.0	+0.6	+1.9	-1.8
Durable goods industries, total.....	-0.1	-1.5	-4.8	+1.1	-1.3	-1.7	+0.0	+3.4	-1.9
Nondurable goods industries, total.....	+1.9	+0.8	+1.4	+1.4	+1.0	+2.1	+1.4	+1.6	-0.8
Unfilled orders:									
Durable goods industries, total.....	+0.9	+0.4	+1.4	+0.9	+0.2	+1.7	+1.4	+1.4	-0.8

Table 7. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio							Unfilled orders--shipments ratio ¹ (months' backlog)						
	Nov. 1979	Oct. 1979	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979	Nov. 1979	Oct. 1979	Sept. 1979	Aug. 1979	July 1979	June 1979	May 1979
All manufacturing industries, total.....	1.56	1.53	1.55	1.54	1.54	1.54	1.48	3.64	3.56	3.63	3.56	3.58	3.65	3.53
Durable goods industries, total.....	2.03	1.96	1.97	1.95	1.95	1.95	1.84	4.31	4.22	3.74	4.23	4.27	4.34	4.19
Stone, clay, and glass products.....	1.31	1.30	1.35	1.34	1.32	1.32	1.29	0.75	0.76	0.84	0.82	0.83	0.80	0.82
Primary metals.....	1.61	1.58	1.65	1.63	1.58	1.62	1.47	2.55	2.50	2.60	2.53	2.60	2.78	2.57
Fabricated metals.....	2.05	2.02	2.08	2.04	2.05	2.06	1.95	3.30	3.30	3.41	3.38	3.38	3.40	3.32
Machinery, except electrical.....	2.76	2.61	2.61	2.59	2.61	2.64	2.57	4.79	4.52	4.65	4.68	4.78	4.84	4.77
Electrical machinery.....	2.12	2.11	2.08	2.08	2.09	2.01	2.02	3.72	3.73	3.71	3.72	3.70	3.64	3.66
Transportation equipment.....	2.04	1.90	1.83	1.77	1.80	1.78	1.57	12.50	11.90	11.58	10.86	11.28	11.55	10.71
Instruments and related products.....	2.37	2.43	2.38	2.49	2.47	2.42	2.43	1.91	1.86	1.91	1.88	1.86	1.86	1.85
Nondurable goods industries, total.....	1.07	1.08	1.09	1.09	1.10	1.07	0.82	0.77	0.79	0.74	0.72	0.75	0.73	
Food and kindred products.....	0.99	0.98	1.00	0.98	0.97	0.99	0.95	(X)	(X)	(X)	(X)	(X)	(X)	
Tobacco products.....	3.53	3.50	3.57	3.65	3.16	4.41	3.49	(X)	(X)	(X)	(X)	(X)	(X)	
Textile mill products.....	1.49	1.42	1.43	1.46	1.40	1.42	1.45	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Paper and allied products.....	1.19	1.16	1.16	1.12	1.14	1.16	1.12	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Chemicals and allied products.....	1.28	1.29	1.31	1.32	1.29	1.27	1.29	(X)	(X)	(X)	(X)	(X)	(X)	
Petroleum and coal products.....	0.50	0.52	0.52	0.50	0.52	0.50	0.48	(X)	(X)	(X)	(X)	(X)	(X)	
Rubber and plastics products, n.e.c.....	1.31	1.28	1.33	1.31	1.33	1.31	1.28	(X)	(X)	(X)	(X)	(X)	(X)	

(NA) Not available. ^aPreliminary. ^bRevised. (X) Not applicable.

¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

The following is a description of the survey and definitions used. These are provided to clarify the meaning of the items involved and do not represent any revisions from those definitions previously employed.

DESCRIPTION OF SURVEY

The Manufacturers' Shipments, Inventories, and Orders Survey (M3-1) provides monthly figures that are comparable to the annual totals published each year in the Annual Survey of Manufactures (ASM). The ASM is a probability sample of approximately 70,000 manufacturing establishments drawn from the most recent 5-year census universe of about 312,000 establishments. In the ASM, each manufacturing establishment provides data on employment, payrolls, shipments, cost of materials, capital expenditures, and inventories as well as other selected items. Until 1976, the ASM did not compile information on unfilled orders or new orders. Since the ASM is establishment based, it provides data for each of the 425 manufacturing industries in the Standard Industrial Classification (SIC) system and area data for industry groups.

The estimates presented in the M3 report are based on a sample panel of approximately 5,000 reporting units, consisting of virtually all manufacturing companies with 1,000 or more employees and additional medium-sized companies that strengthen the sample coverage in individual industry cells. The reporting unit for many medium- or single-line companies comprises all operations of the company. Many of the larger diversified companies file separate divisional reports for their operations in different industries, although this divisional reporting is not followed by all large companies.

Each reporting unit in the monthly panel is classified into one of 79 industry classifications for tabulation. Many of the reporting units included mixed industry activity even within the broad industry categories of the monthly survey. However, the survey estimating procedure assumes that the month-to-month changes of the reporting units classified in each industry category effectively represent the month-to-month movements of the establishments in the SIC industries which make up the category. This ratio estimating procedure is used for all items compiled in the survey except for new orders which is discussed separately below.

The M3 series is periodically benchmarked to the ASM for shipments and inventories. The most recent benchmark was for 1974 through 1976 and issued in the report M3-1.7 released in March 1978. In the absence of benchmark data for unfilled orders, levels were set in August 1962 based upon the ratio of unfilled orders to sales for companies reporting in the M3. These levels were reset as of December 1973 in the M3-1.6 benchmark publication released in December 1976.

The M3 data are subject to some limitations primarily resulting from the relatively small sample used to develop the estimates and the use of divisional and company reports to extrapolate establishment based data. Precise measurement of these limitations based on estimates of the sampling errors is not available. In addition to the general limitations of M3 survey data, the estimated levels of unfilled orders are subject to further limitations due to the assumptions made in developing these levels, the definition of unfilled orders, and response

difficulties. These limitations are discussed in greater detail on pages i-iv in the introductory chapter of the latest benchmark publication mentioned above. Generally, the limitations to the unfilled orders data primarily apply to the absolute level of unfilled orders and, to a much lesser extent, to the month-to-month change in unfilled orders. Since this month-to-month change in unfilled orders is used to develop the monthly estimates of new orders, the estimates of new orders are subject to fewer limitations than the unfilled orders estimates.

EXPLANATION OF TERMS

Value of Shipments—Shipments in the monthly survey are equivalent to value of shipments as reported in the ASM which are received or receivable net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. Included in shipments are the value of all products sold, transferred to other plants of the same company, or shipped on consignment.

Shipments also include receipts of establishments in the industry for contract work performed for other, resales, receipts for miscellaneous activities such as the sale of scrap and refuse; value of installation and repair work performed by employees of the plant; and value of research and development performed at the plant. In the ship building industry the value of work done in a given year varies considerably from the value of shipments because of the long lead time between the input of the materials and labor and the shipments of the completed ship. In the annual survey, therefore, the value of work done during the year is requested rather than the value of shipments. Value of work done is also reported by aircraft and missile producers working on cost-plus contracts.

The value of shipments figures developed from the ASM contain duplication at the all manufacturing and industry group levels since the products of some industries are used as materials by other industries within the industry group. With the exception of motor vehicles, it is not significant at the 4-digit SIC group level. Since the M3-1 industry categories typically are groupings of industries, this duplication is significant for all the manufacturing, durable goods and nondurable goods categories and the various market groups. The significance of the duplication within the specific M3-1 industry groups varies depending on the 4-digit industry composition of these groups. It is most pronounced in a few highly integrated industry areas such as primary metals and motor vehicles and parts.

Since most monthly reports are for the entire company or major divisions rather than establishments, the companies are requested to report net sales, i.e., total company billings after discounts and allowances. Companies which file divisional reports are requested to treat transfers from the division of the company to another as if they were net sales to outside customers. Although this definition of shipments in the monthly reports differs from that used in the annual establishment reports, it is assumed that the month-to-month changes in company sales in the industry are representative of the month-to-month shipments of the establishments in the industry.

Inventories—End-of-month inventories in the monthly survey are identical in definition to the end-of-year inventories in the ASM. In the ASM, respondents are asked to report inventories of individual establishments at approximate current cost if feasible; otherwise, "at book values." Since different methods of inventory valuation are used (LIFO, FIFO, etc.), the definition of the aggregate inventories for establishments in an industry is not precise. The figures on the change in inventories from one period to the next are of greater significance than the actual aggregates.

Inventories are reported by stage of fabrication: (a) finished goods; (b) work in process; and (c) materials, supplies, fuel, and other inventories. In using inventories by stage of fabrication at the all manufacturing and 2-digit industry levels as well as for the durable and nondurable goods sectors, it should be noted that a finished product of one industry may be a raw material for another industry at the next stage of fabrication. Insofar as the durable and nondurable goods sectors and also the 2-digit industry groups contain industries with successive stages of processing, the same type of commodity may be included under different inventory categories in the aggregate statistics.

New Orders and Unfilled Orders—The unfilled orders shown in this publication represent the net sales value of goods on order which have not been shipped. They are net of cancellations and include all adjustments resulting from contract

change documents. Only those orders supported by binding legal documents such as signed contracts or letter contracts are included. Some large defense contracts are authorized and funded in several stages. Only the funded portion of such contracts are included in these figures.

New orders are not calculated according to the standard ratio estimate procedure, even though they are collected as a separate item. The reason for this is that not all companies report new orders, and some that do limit their reporting to specific products for which long lead times are required in the production cycle. These companies, in effect, exclude new orders received for products that are shipped from inventory. To take advantage of the higher response rate for shipments data and to include orders filled from inventory, new orders are computed by adding the change in the backlog of unfilled orders to the current month's shipments. Thus, the estimate of new orders includes orders that are received and filled in the same month as well as orders that have not yet been filled. The estimate also includes the effects of cancellations and modifications of previously existing contracts.

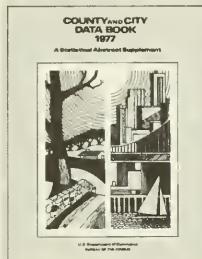
Seasonally adjusted new orders are similarly derived from the monthly change in the seasonally adjusted backlog of unfilled orders and seasonally adjusted shipments. Many nondurable goods industries and some durable goods industries have no backlog of unfilled orders. Shipments are used as the estimate of new orders in these industries.



COUNTY AND CITY DATA BOOK 1977

An indispensable reference tool presenting selected social and economic statistics for States, metropolitan areas, counties, and cities. Covers a wide variety of topics, including population, housing, employment, vital statistics, crime, retail and wholesale trade, poverty, education, health, social security, local government finances and employment, and many more.

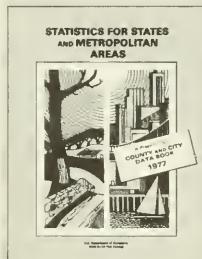
An updating of many of the statistics in **County and City Data Book, 1972**.



CONTENTS INCLUDE:

- 195 items of statistical data for the 50 States and 3,143 counties (or county equivalents)
- 161 items for each of 277 standard metropolitan statistical areas (SMSA's)
- 190 items for each of the 910 cities of 25,000 inhabitants or more
- descriptive text, explanatory notes, and source citations
- maps, charts, and appendices

Clothbound
1,011 pp.
at \$19.50



ALSO AVAILABLE: **Statistics for States and Metropolitan Areas**, a preprint of the tables for census regions and divisions, States, and standard metropolitan statistical areas from the **Data Book**. Includes explanatory notes. 110 pp., \$2.75

STILL AVAILABLE: **County and City Data Book, 1972**, clothbound, 1,076 pp., \$18.65

ORDER FORM Please send me

(please detach along this dotted line)

- Copies of the County and City Data Book, 1977 (S/N 003-024-01464-5) \$19.50 each.
- Copies of Statistics for States and Metropolitan Areas (S/N 003-024-01487-4) \$2.75 each.
- Copies of the County and City Data Book, 1972 (S/N 003-024-00121-7) \$18.65 each.

Name _____

Address _____

City _____ State _____ ZIP Code _____

I enclose \$ _____ (check, money order, or Supt. of Documents coupons) or charge to my Deposit Account No. _____
Total Amount \$ _____

MAIL ORDER FORM WITH PAYMENT TO

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

For Office Use Only	
Quantity	Charges
Mailed
To Mail
Later
Sub.
Refund
Postage
Handling

MAKE CHECK OR MONEY ORDER PAYABLE TO SUPERINTENDENT OF DOCUMENTS
To Insure Prompt, Accurate Shipment, Place Correct Address on Mailing Label Below

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Name _____

Penalty for Private Use, \$300

Street Address _____

City, State, and ZIP Code _____

POSTAGE AND FEES
PAID
U.S. GOVERNMENT
PRINTING OFFICE
375

Special Fourth Class Rate
Book

U.S. Department
of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233
Official Business
Penalty for Private Use, \$300

UNIVERSITY OF FLORIDA



3 1262 08589 4953

COM-202



First Class Mail

